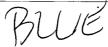
#### Work Order ID 61417

Tuesday, August 24, 2010 3:05:31 PM





Page 1

Item ID:

D206-667-103BL

Accept

Setup Start



**Revision ID:** 

Crosstube Fwd, Blue Item Name:

8/24/2010

Start Qty: 1.00

Required Date: 9/10/2010 Req'd Qty: 1.00



**Cust Item ID:** 

**Customer:** 

Tool ID



Reference:

Start Date:

Approvals:

Sequence ID/

**Work Center ID** 

Process Plan: W

Operation

**Description** 

Date: \_10 -8 - 24

Tooling:

Run Start

Stop



QC:

Date:

SPC (Y/N):

Set Up/

Run Hours

Date:

Tool # Plan Accept Qty

Code

Reject Qty

Insp. Number Stamp

**Draw Nbr Revision Nbr** 

D206-667-143 C

100

Document Control

DOCUMENT CONTROL

Memo

0.00

Photocopy bluefile and create labels as per PPP D206-667-103

Reject

110

Packaging

Pick Kit

Packaging

Memo

0.00

Packaging

120

CNC Bend 2

BENDING MACHINE - CROSSTUBES

Memo

0.00

0.00

CNC Alpha 160 Bender

Bend tube as per Dwg D206-667-143 using CNC bender program

W/0:61	417	WORK ORDER CHANG	GES				
DATE	STEP	Perm. hame		Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10/1/58	100	organize pick kit in correct sequen to who.	A	10.Oc.29			10/09/28

Part No: 206-667-103BL PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
Resolution:	Disposition:	QA: N/C Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section E	,	Verification	Approval	Approval QC Inspector				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng					
							1					
	]											

<sup>\*</sup> H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

#### Work Order ID 61417

Tuesday, August 24, 2010 3:05:31 PM



Page 2

Item ID:

D206-667-103BL

Accept

Setup Start

Stop



**Revision ID:** 

Item Name:

Crosstube Fwd, Blue

**Start Date:** 

8/24/2010

Start Qty: 1.00

**Required Date: 9/10/2010** Req'd Qty: 1.00

Date:

**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan:

Operation

Description

Date:

Tooling:

SPC (Y/N):

Set Up/

Run Hours

Date:

Date:

Start



Stop

Sequence ID/

Work Center ID

130

QC15- Crosstube Dimensional Check

QC

Memo

**Tool ID** 

Accept Tool # Plan Code Qty

Reject Qty

Run

Reject Number

Insp. Stamp

Quality Control

W/O:			V	ORK OR	DER CHANG	ES					
DATE	STEP	PROC	EDURE CH	IANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		·		•	<u>.</u>	,					
						:					
Part No	•	PAR #:	_ Fault Ca	tegory:		_ NCI	R: Yes	No <b>DQ</b>	A:	_ Date: _	
Resolution:			Disposition: G				N/C CI	osed:		Date: _	
NCR:		W	ORK OR	DER NON	-CONFORMA	ANCE	(NCR	)			
DATE	STEP	Description of NC	Corrective Action Secon Initial Action Description		ion B	Sign &	Verification Section C		Approval	Approval	
		Section A	Chief Eng	Aou			Date	Sect	ion C	Chief Eng	QC Inspector
				·			;	}			
							-				
4.3	***		'en								
Wings.	, š .ş,										
				<i>चेत्र</i> हर							
1	1		T 4.	i	50 gr 8		1	1		I	1

H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

#### Work Order ID 61417.

Tuesday, August 24, 2010 3:05:31 PMx.



Page 3

Item ID:

D206-667-103BL

Accept



Setup Start



Revision ID: Item Name:

Crosstube Fwd. Blue

**Start Date:** 

8/24/2010

Start Oty: 1.00 Reg'd Oty: 1.00

**Cust Item ID: Customer:** 

**Required Date: 9/10/2010** 

Reference:

Ap	pro	val	s:

Process Plan:

Date: \_\_\_\_\_ Tooling:

Date:

Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/ **Work Center ID** 

140

Crosstubes

Crosstubes

Operation **Description** 

Set Up/ **Run Hours**  Tool ID

Tool # Plan Code

Accept Reject **Qty Qty** 

Run

Reject Number

Insp. Stamp

Crosstubes

Memo

0.00

0.00

1-Drill holes & ream using drill Jig DT8541 & DT8542 as per Dwg D206-667-143. Drill all (3) top holes.

3-Flip tube and switch drilling Jigs from right to left, left to right. Locate Jigs off existing holes using "T" pins.

4-Drill pilot holes using drill Jig DT8541 & DT8542 as per Dwg D206-667-143. Drill only the top (2) holes.

5-Drill pilot holes as per Dwg D206-667-143. Drill only the top (2) holes.

6-Drill Fwd rivet holes using drill Jig DT8787FWD as per Dwg D206-667-143. Note: Fwd side has 3x top holes.

7-Drill Aft rivet holes using drill Jig DT8787AFT as per Dwg D206-667-141.

8-C'sink holes as per Dwg D206-667-143. Allow rivet to sit below surface to compensate for paint.

9 -Scribe part # and batch # using vibrating stylus as per Dwg D206-667-143 Inside of Cuff(Donot engrave on outside of tube)

10-Deburr & Inspect for surface damage. Repair damage within limits as per Dwg D206-667-143

W/O:			WO	RK ORDER CHA	ANGES						
DATE	STEP	PRC	CEDURE CHAI	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
									4		
Part No	•	PAR #:	Fault Cated	gory:	NC	R: Yes	No <b>DQ</b>	A:	Date:		
Resolution:			Disposition: QA: N/C Closed: Date							<del></del>	
NCR:		\		R NON-CONFO		E (NCR	)				
DATE	STEP	STEP Description of NC Section A	Initial Chief Eng	Section B	Ve		Verification Section C	Approval Chief Eng	Approval QC Inspector		
				Chief Eng							
NOTE: D	ate & initi	al all entries	<u> </u>			J	l		<u> </u>	<u> </u>	

Work	Order 1	ID (	51417
Tuesday	August 24	2010	3.05.3



Page 4

Item ID: **Revision ID:** 

D206-667-103BL

Accept



Setup Start

Stop

Stop



Item Name: Crosstube Fwd, Blue

Required Date: 9/10/2010

**Start Date:** 

8/24/2010

Start Qty: 1.00

Req'd Qty: 1.00



Date: \_\_\_\_\_

**Cust Item ID:** 

**Customer:** 

Reference:

Process Plan: \_\_\_\_\_ Date:

Tooling:

SPC (Y/N):

Date:

Date:

Start Run



Sequence ID/

Work Center ID

150

HandFXtube

Hand Finishing Crosstubes

Operation Description

QC:

Crosstubes Chemical Conversion

Memo

Set Up/ Run Hour

0.00

Tool ID

Tool # Plan Code

Reject Accept Qty Qty

Reject Number Stamp

Insp.

0.00

160

QC

Quality Control

QC3- Inspect Part Finish

Memo

170

QC

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

W/O:			W	ORK ORDER CHANG	GES					
DATE	STEP	PRO	DCEDURE CHA	ANGE	B	/	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
						Ì				
Part No	<b>:</b>	PAR #:	Fault Cate	egory:	NCR: Y	'es N	o <b>DQA</b>		Date:	
		esolution:								
NCR:		1	WORK ORD	ER NON-CONFORM	ANCE (N	ICR)				
DATE	CTED	Description of NC Corrective Action			Section B Verifi			ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		gn & Date	Section C		Chief Eng	QC Inspector
							<u> </u>			
					}				ļ	

H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

#### Work Order ID 61417

Tuesday, August 24, 2010 3:05:32 PM



Page 5

Item ID:

D206-667-103BL

Accept

Setup Start

Stop



**Revision ID:** 

Item Name:

Crosstube Fwd, Blue

**Start Date:** 

Required Date: 9/10/2010

8/24/2010

Start Qty: 1.00

**Reg'd Oty:** 1.00



**Cust Item ID:** 

**Customer:** 

**Tool ID** 

Reference:

Approvals:

QC:

Process Plan:

Operation

**Description** 

Date:\_

Date: \_\_\_\_\_

**Tooling:** SPC (Y/N):

Date:

Date:

Tool # Plan

Code

Start

Stop

Reject

Qty

Insp.

Stamp

Sequence ID/

Work Center ID

180

Outsource2

Outsource process - NDT

Memo

CROSSTUBES

Outsource process - NDT per OSI038 4.1

Set Up/ **Run Hours** 

0.00

P10: 12615

CX

Accept

Qty

Run

10/9/220

Reject

Number

190

Packaging

Packaging

Packaging

Memo

0.00

0.00

0.00

Ensure copy of NDT results attached to work order.

CX 10/9/22 0

200

Memo

QC5- Inspect part completeness to step on W/O

0.00

0.00

Quality Control

W/O:	•	WORK ORDER CHANGES										
DATE	STEP	PROCI	EDURE CH	IANGE		Ву	Date Q	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
									,			
• .												
Part No		PAR #:					·					
Resolution:			_ Disposit	ition:								
NCR: W			ORK OR	DER NON-CONFORMA	NCE	(NCR)						
DATE	STEP	Description of NC	Initial Action Description			Sign & Verification			Approval			
		Section A	Chief Eng	Chief Eng		Date	Section C	Chief Eng	QC Inspector			
				-								
		10										

H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

#### Work Order ID 61417

Tuesday, August 24, 2010 3:05:32 PM



Page 6

Item ID:

D206-667-103BL

Accept

Setup Start

Stop

Start



**Revision ID:** 

Item Name:

Crosstube Fwd, Blue

**Start Date:** 

**Required Date: 9/10/2010** 

8/24/2010

Start Oty: 1.00

Reg'd Oty: 1.00



**Cust Item ID:** 

**Customer:** 

Tool ID

Reference:

Approvals:

Process Plan:

Date: Tooling:

Date: Date:

Tool # Plan

Code

Stop

Reject

Qty

Run

Accept

Qty

Sequence ID/

Work Center ID

210

SprayPaint

**Spray Painting** 

Primer, 110199

Tear: 110896

Operation Description

SprayPaint

Set Up/ **Run Hours** 

0.00

0.00

SPC (Y/N):

1-Prime inside and outside crosstube as per QSI 005 4,2

Date:

2-Paint outside crosstube with White Imron as per OSI 005 4.2

PRIME:

Memo

Start Time: 9:00 Fininsh Time: 10500

PAINT:

Start Time: 2:00 Finish Time: 3100

220

QC14- Inspect Spray Paint

0.00



Quality Control

Memo

0.00

Wrap in plastic bag to protect from scratches

Reject

Number

Insp.

Stamp

ZT (0-09-23 (A

W/O:		WORK ORDER CHANGES										
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date Q	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
							Flod Wigi	·				
		•										
Part No		PAR #:	Fault Cat	egory:	NCR: Yes	No DQA: _	Date: _					
Resolution:			Dispositi	on:	_ QA: N/C Clo	sed:	Date: _	<del> </del>				
NCR:		\	WORK ORI	DER NON-CONFORMA	NCE (NCR)	)						
DATE	OTED	Description of NC	on B	Verificati	on Approval	Approval						
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		QC Inspector				
					,							
					<u> </u>							
			!									
				•								

<u> </u>											
Work Orde Tuesday, August											Page 7
Item ID: D206-667-103BL  Revision ID:  Item Name: Crosstube Fwd, Blue				Accept						ort	
Start Date: Required Date: Reference:	8/24/2010 9/10/2010	Start Qty: 1.00 Req'd Qty: 1.00	1 1860 6 1861 1861 1 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		Cust Item I Customer:	D:				110011001	
Approvals:	Process Pla	an:	Date:	Tooling:	D:	ate:		]	Run Sta		
	QC:		Date:	SPC (Y/N):	Da	ate:			Sto	)p	
Sequence ID/ Work Center II 230 Crosstubes	D	Operation Description Crosstubes		Set Up/ Run Hours 0.00	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Crosstubes		015. Let cur holes should A/R Magno	port using 0.03" to 0.06" to 12h after installation be facing up. bond 6398:	thick layer of magnobone a and prior to packaging.	Note: (2) Aft 20/)						

240 QC

QC5- Inspect part completeness to step on W/O

3-Install nut plates as per Dwg D206-667-143. Touch-up rivet heads with Imron paint. While as 27

0.00 Siolog/27

Memo

Quality Control

W/O:			WC	ORK ORDER CHANGI	ES			
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							1 Tod Wigi	
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQA:	Date: _	
	R	esolution:	Dispositio	n:	_ QA: N/C Clo	sed:	Date: _	
NCR:		V	VORK ORD	ER NON-CONFORMA	NCE (NCR)			
		Description of NC		Corrective Action Section		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
					İ			

H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

#### Work Order ID 61417

Tuesday, August 24, 2010 3:05:32 PM



Page 8

Item ID:

D206-667-103BL

Accept



Setup Start



**Revision ID:** 

Item Name:

Crosstube Fwd, Blue

**Start Date:** 

8/24/2010

Required Date: 9/10/2010

Start Qty: 1.00 Req'd Qty: 1.00

**Cust Item ID:** 

**Customer:** 

Reference:

A	Dr	ro	val	s:

Process Plan: \_\_\_\_ Date:

Tooling:

Date:

Run

Start

Stop



QC:

Date: \_\_\_\_\_

SPC (Y/N):

Set Up/

Date:

Stop



Sequence ID/ Work Center ID

250

Packaging

Packaging

Operation Description

Pick Kit

Memo

**Run Hours** 0.00

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Oty

Reject Insp. Number Stamp

260



Quality Control

QC4-100% Inspect kits for completeness

270

Packaging Packaging

Packaging

Memo

0.00

0.00

Identify and pack for shipping as per PPP D206-667-103

Location:

PPP Rev:

W/O:			WC	ORK ORDER CHANG	ES				
DATE	STEP	PRO	DCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								r rou wgr	
							-		
	ļ								
		·							
Part No		PAR #:							
	Resolution:							Date: _	
NCR:		•	WORK ORD	ER NON-CONFORMA	ANCE (NCF	R)			
DATE	STEP	Description of NC Corrective Action			verificat			Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Date	Sect	ion C	Chief Eng	QC Inspector
								}	
						3			
							** **		
1						İ			

#### Work Order ID 61417

Tuesday, August 24, 2010 3:05:32 PM



Page 9

Item ID:

D206-667-103BL

Accept

Setup Start



**Revision ID:** 

Item Name:

Crosstube Fwd, Blue

**Cust Item ID:** 

**Customer:** 

Tool ID

**Start Date:** 

Required Date: 9/10/2010

8/24/2010

Start Qty: 1.00 Req'd Oty: 1.00

Reference:

Approvals:

Process Plan: Date:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Tool # Plan

Code

Stop

Reject

Qty



Sequence ID/ **Work Center ID** 

280

QC

Quality Control

Operation Description

QC: \_\_\_\_

QC21- Final Inspection - Work Order Release

Memo

Set Up/ Run Hours

0.00

0.00

Run

Accept

Qty

Start

Stop



Number Stamp

Reject

10/09/28-44) UNF 10-9-28

Insp.

W/O:			W	ORK ORDER CHANGES							
DATE	STEP	PRO	CEDURE CH	CEDURE CHANGE			Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
								1 Tod Wig.			
								<u>.</u>			
							į				
Part No	:	PAR #:	Fault Cat	egory: N	CR: Yes	No DC	A:	Date: _			
	Resolution:		Dispositi	on: G	A: N/C C	losed:					
NCR:	NCR:		VORK ORI	DER NON-CONFORMANC	CE (NC	R)					
DATE	OTED	Description of NC		Corrective Action Section B		Verif	ication	Approval	Approval		
DAIL	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	& Sec	tion C	Chief Eng	QC Inspector		
DAIL	SIEP	Section A				& Sec			QC Inspector		
DAIE	SIEP	Section A				& Sec			QC Inspector		
DAIL	SIEP	Section A				& Sec			QC Inspector		
DAIL	SIEP	Section A				& Sec			QC Inspector		
DAIC	SIEP	Section A				& Sec			QC Inspector		
JAIC	SIEP	Section A				& Sec			QC Inspector		
DAIC	SIEP	Section A				& Sec			QC Inspector		
JAIC	SIEP	Section A				& Sec			QC Inspector		
JAIC	SIEP	Section A				& Sec			QC Inspector		

NOTE: Date & initial all entries

H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

### **Picklist Print**

Tuesday, August 24, 2010 3:05:31 PM

Work Order ID: 61417

Parent Item:

D206-667-103BL

Parent Item Name: Crosstube Fwd, Blue



**Start Date: 8/24/2010** 

Required Date: 9/10/2010

Start Qty: 1.00

Required Qty: 1.00

Co	m	m	Δn	te.	
v	ш	ш	eп	LS:	

Comments: II	P RevA: new issue	e DD .09.11.23	verified	by:EC									
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch		Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN5-30A BOLT		Purchased	No			250	Each	110.0000	4	4		l	
				<b>Location</b>	<u>1</u>	Loc	<u>Oty</u>	Loc Code					
				ST339			110		_				
					102473		4		_				
					105144		10		_	4.4416	333		
					112933		21		ب	19/10	753		
					114437		25		_		-		
-AN5-32A		Dl 1	Na		114941	250	50	204.0000	_		-		
Bolt		Purchased	No			250	Each	204.0000		4 ~		l	
				Location	<u>1</u>	Loc	<u>Otv</u>	Loc Code					
				ST340			204		_				
					113121		4				~		
					114056		50		1	M/1420	طرو		
					114405		50		-		-		
					115016 115108		50 50		-		-		
AN5-7A		Purchased	No		113108	250	Each	200.0000	10	10	-		
Bolt		Fulcilased	110			230	Lacii	200.0000		10	2	[ C [v]	5/28
				<u>Location</u>	<u>1</u>	<u>Loc</u>	<u>Qty</u>	Loc Code				ι	•
				ST337			200		_		_		
					100826		10		_				
					109061		4		_		- n		
					113149		186		4	MH 31	47		

W/O:	D: WORK ORDER CHANGE										
DATE	STEP	PRO	CEDURE CHA	ANGE	Ву	Date	Qty	Approval Chief Eng /	Approval QC Inspector		
								Prod Mgr			
Part No	•	PAR #:	Fault Cate	egory:	NCR: Yes	No <b>DQ</b>	A:	_ Date: _			
				on:	_ QA: N/C CI	osed:	sed: Date:				
NCR:	NCR:			ER NON-CONFORMA	NCE (NCF	R)		- 41.			
DATE	CTED	Description of NC		Corrective Action Section		Verifi	cation	Approval	Approval		
DATE	STEP	Section A	Initial Chief Eng	Action Description  Chief Eng	Sign 8 Date	Sect	ion C	Chief Eng	QC Inspector		
					i.						
								:			
								<b>,</b>			

Tuesday, August 24, 2010 3:05:31 PM

Work Order ID: 61417 Parent Item:

D206-667-103BL

Parent Item Name: Crosstube Fwd, Blue



**Start Date: 8/24/2010** 

**Required Date: 9/10/2010** 

Start Qty: 1.00

Required Qty: 1.00

Washer

NAS1149D0563J Purchased

250

Each

34.0000

Loc Code

Loc Cede

Purchased

No

No

Loc Oty Location ST34 103694 18 107534 12 109287 4 250

Each 78.0000

Washer

D206-667-103TRN

Manufactured

No

Crosstube Turning DetailL

<b>Location</b>	Lo	c Oty
ST349		78
112991		28
115266		50
	110	Each

2.0000



Location Loc Qty Loc Code FG 60143 60144 LG

W/O:			WO	RK ORDER CHANG	ES					
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
Part No	•	PAR #:	Fault Categ	jory:	_ NCR: Yes	No <b>DQ</b>	A:	Date:		
		solution:	Disposition	:	QA: N/C Closed: Date:					
			WORK ORDE	R NON-CONFORM	ANCE (NCF	R)				
DATE	STEP	Description of NC			ion B	verification			Approval	
DAIL	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng	Date	Sect	ion C	Chief Eng	QC Inspector	
									į	
		•								
								i i		

Tuesday, August 24, 2010 3:05:31 PM

Work Order ID: 61417									- A - A
Parent Item: D206-667-103BL  Parent Item Name: Crosstube Fwd, Black	ue		110 1101) 80110 0111 110110 01110 01110 01111 11011 110				tart Date: 8 Start Qty: 1		Required Date: 9/10/2010 Required Qty: 1.00
D2873-043	Manufactured	No		230	Each	52.0000	2	2	m 10.09.27
			Location LG 53966 56466 57337 ST 60981	<u>Loc</u>	Oty 32 10 2 20 20 20	Loc Code			 
D2873-045	Manufactured	No	30701	230	Each	48.0000	2	2	m 10. 84-27
			LG 53968 57336, 60982	Loc	Oty 48 9 19 20	Loc Code			
D2891-1 2.25 Support	Manufactured	No		230	Each	69.0000	2	2	m/ 10-09.23
			Location LG 46159 50952 53347 53773 55786	<u>Loc</u>	Oty 69 15 18 4 20 12	Loc Code			

W/O:		WC	ORK ORDER CHANGI	ES	· · · · · · · · · · · · · · · · · · ·				
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								1 Tod Mgr	
					}				
Part No	•	PAR #:	Fault Cate	gory:	NCR: Yes	No <b>DQA</b> :		_ Date: _	
Re		esolution:	Dispositio	n:	QA: N/C Clo	osed:		Date: _	
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCR	)			
DATE	STEP	Description of NC Corrective Action Description			on B Sign &	Verificat		Approval	Approval
	J	Section A	Initial Chief Eng	Action Description Chief Eng	Date	Section	С	Chief Eng	QC Inspector
			l i			ļ			1
		·							
		,		A PAGE					
		·							

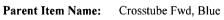
<sup>•</sup> H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

Tuesday, August 24, 2010 3:05:31 PM

Work Order ID: 61417

Parent Item:

D206-667-103BL





**Start Date: 8/24/2010** 

Required Date: 9/10/2010

Start Qty: 1.00

Required Qty: 1.00

D3595-063-395

**RUBBER CUSHION** 

Manufactured

No

230

46.0000 Each

<b>Locatio</b>	<u>n</u>	Loc Oty	Loc Code
FP		10	
	44667	10	
ST		36	
	60585	36	

cut (4)0.063" X 3.95"

MS20601-AD4W8

Purchased

Purchased

No

No

230

Each

286.0000

1	
THE REPORT OF THE PROPERTY OF	
DIVET	

RIVET

<b>Location</b>	Lo	c Qty	Loc Code
ST322		286	
108521		98	
112203		188	
	250	Each	657.0000

657.0000

_	MS21042L5	
>		
	Nut	

	Loc Oty
	157
114813	157
	500
115156	500

Loc Code

M115166

W/O:			WO	RK ORDER CHANGE	S		***		
DATE STEP PR			OCEDURE CHAN	EDURE CHANGE			Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
									1
ļ									
Part No		PAR #:	Fault Categ	ory:	NCR: Yes	No <b>DQ</b>	<b>\</b> :	Date: _	
		esolution:	Disposition	<b>:</b>	QA: N/C Clo	osed:		Date:	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCR	3)			
DATE	STEP	Description of NC		Corrective Action Section	Ve		ation	Approval	Approval
———	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section	on C	Chief Eng	QC Inspector
								Į.	
					į				
					i 3				
	,							1	
				7.7.					

H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

#### Picklist Print

Tuesday, August 24, 2010 3:05:31 PM

Page 5

Work Order ID: 61417

Parent Item:

D206-667-103BL

Parent Item Name: Crosstube Fwd, Blue



**Start Date: 8/24/2010** 

Required Date: 9/10/2010

Start Qty: 1.00

Required Qty: 1.00

MS21920-20

Clamp (per MIL-DTL-8783C)

Purchased

No

230

89.0000

ml 10.09.23

<b>Location</b>	Loc Qty	Loc Code	
LG	89		
112624	18		
114687	21		
114779	24		
115057	26		

Each

W/O:			W	ORK ORDER CHANG	ES			
DATE STEP		PROCEDURE CHANGE			Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							Prod Wigi	•
								!
					·			
Part No	<b>:</b>	PAR #:	Fault Cat	egory:	_ NCR: Yes	No <b>DQA</b> :	Date: _	
		esolution:	Dispositi	on:	_ QA: N/C Cld	osed:	Date: _	
NCR:		\	WORK ORE	DER NON-CONFORMA	ANCE (NCR	)		
DATE	CTED	Description of NC		Corrective Action Secti		Verification	1 Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
<del></del>					-			

<sup>.</sup> H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

Item Qtv Part Number Description -143 D206-667-143 CROSSTUBE ASSEMBLY (206L HIGH FWD) D6002-115 CROSSTUBE 3 D2873-043 **NUT PLATE** 4 D2873-045 NUT PLATE 5 2 D2891-1 SUPPORT D3595-063-395 6 4 RUBBER CUSHION 7 4 MS21920-20 CLAMP (OR MS21920-21) 8 14 MS20601AD4W8 RIVET (OR NAS9302B-4-8) MAGNOBOND 6398 ROCKWELL SPECIFICATION RB 0-120-A/R 023 ADHESIVE (TEXTRON/BELL SPEC. 299-947-100, TYPE II, CLASS 2 ADHESIVE)

**GENERAL NOTES:** 

D

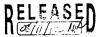
1) MATERIAL: MANUFACTURED FROM D6002-115

FINISHED LENGTH = 104.98±0.020

2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 PRIME INSIDE AND OUTSIDE PER DART QSI 005 4.2 PAINT OUTSIDE PER DART QSI 005 4.2

- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
- UNITS: INCHES UNLESS OTHERWISE NOTED.
- BREAK SHARP EDGES: 0.005 TO 0.010 MAX.
- IDENTIFICATION: SCRIBE DART PART NUMBER "D206-667-143" AND BATCH NUMBER ON INSIDE OF CUFF USING VIBRATING STYLUS.
- WEIGHT: 15.5 lbs
- 8) PART IS SYMMETRIC ABOUT CENTERLINE.
- RUN CUTTER OFF PART WHERE INDICATED. BLEND OUT EDGE LONGITUDINALLY, TRANSITION SHOULD BE SMOOTH.
- 10) BEND PROGRESSIVELY WITH A MINIMUM OF 10 PASSES. MAXIMUM TUBE FLATTENING DUE TO BENDING IS 6% BASED ON O.D.
- 11) LIQUID PENETRANT INSPECT OUTSIDE SURFACE OF CROSSTUBE PER QSI 038.
- 12) INSTALL D2891-1 SUPPORT USING 0.03" TO 0.06" THICK LAYER OF MAGNOBOND 6398 PER QSI 015. LET CURE FOR 12 HOURS AFTER INSTALLATION AND PRIOR TO PACKAGING.
- 13) INSTALL MS21920-20 CLAMPS (OR -21) WITH D3595-063-395 RUBBER CUSHIONS TO SECURE THE D2891-1 SUPPORT ON TOP SIDE OF THE CROSSTUBE. ENSURE CLAMP MECHANISMS ARE LOCATED ON CROSSTUBE SUPPORTS.
- 14) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.
- 15) TORQUE CLAMPS 80 TO 100 IN-LB. ENSURE AT LEAST 1.5 THREADS ARE SHOWING IN SAFETY AND THAT NUT HAS NOT BOTTOMED-OUT AFTER TORQUING.

2



D

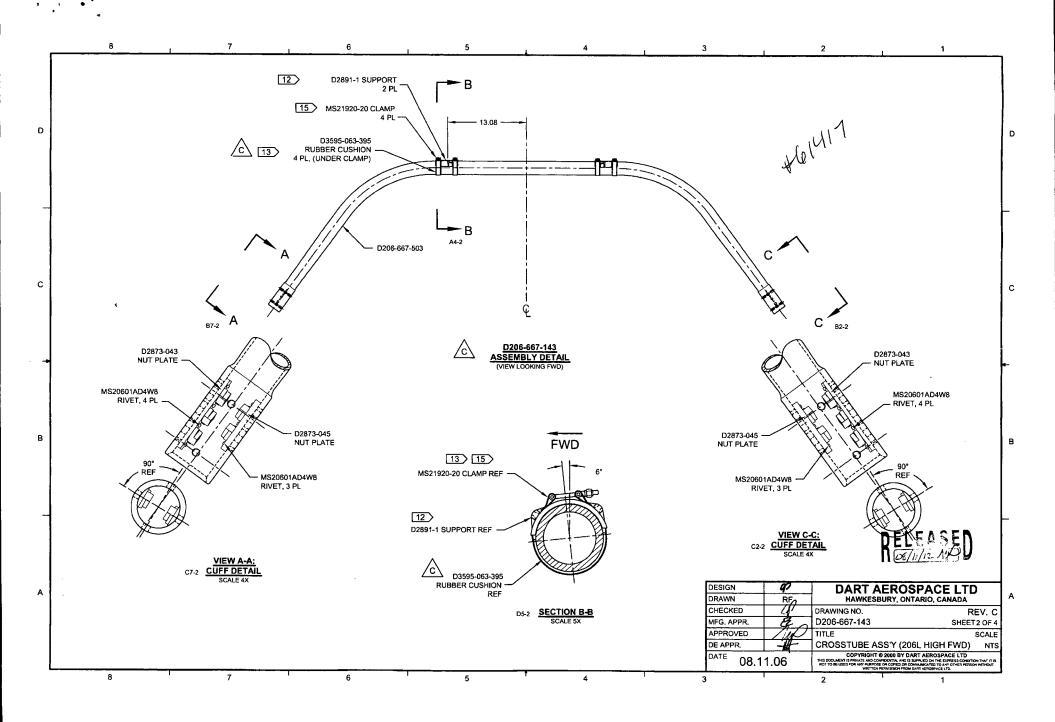
В

С	REVISE GENERAL NOTES/PART LIST (ZN D7-1); REORGANIZED VIEWS AND REFORMATTED DRAWING TO CURRENT STANDARDS. D3595-063-395 WAS D2856-400-694 (ZN D6-2 & A5-2); REMOVED REF. & ADD TOLERANCE (ZN D3-3, C4-3, C5-3); RELOCATED FLAG & (ZN A8-3) PER NCR 210; MOVED TURNING DETAIL & UPDATED TOLERANCE TO SHEET 4.								
В		DLES AND NUT HT/AA SKUDTI	PH	05.07.26					
Α	NEW IS	SSUE		CP	00.11,17				
REV.			DESCRIPTION	BY	DATE				
DESIGN		P	DART AEROSP	ACE	LTD				
DRAWN		RF <sub>2</sub>	HAWKESBURY, ONTAR	O, CAN	ADA				
CHECKE	D	$\mathcal{A}'$	DRAWING NO.		REV. C				
MFG. AF	PR.	8	D206-667-143		SHEET 1 OF 4				
APPRO\	/ED	/UN	TITLE SCALI						
DE APPR.			CROSSTUBE ASS'Y (206L HIGH FWD) NTS						
DATE	08.1	1.06	COPYRIGHT © 2000 BY DART AI THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICAL WRITTEN PERMASSION FROM DART ARE	ON THE EXPRES	S CONDITION THAT IT IS				

W/O:			W	ORK ORDER CHANGI	ES				
DATE STEP		PROCEDURE CHANGE			Ву	Date C	<b>Qty</b>   Chi	proval ef Eng / od Mgr	Approval QC Inspector
								od Wgi	
Part No		PAR #:	Fault Cate	egory:	NCR: Yes	No DQA:		Date:	
Reso		esolution:	Disposition	QA: N/C Clo	osed:		Date:		
NCR:	i		WORK ORE	ER NON-CONFORMA	NCE (NCR	)			
	STED Description of NC		Corrective Action Section B						Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section		proval nief Eng	QC Inspector
							į		
	!								
			į						
į					į				

NOTE: Date & initial all entries

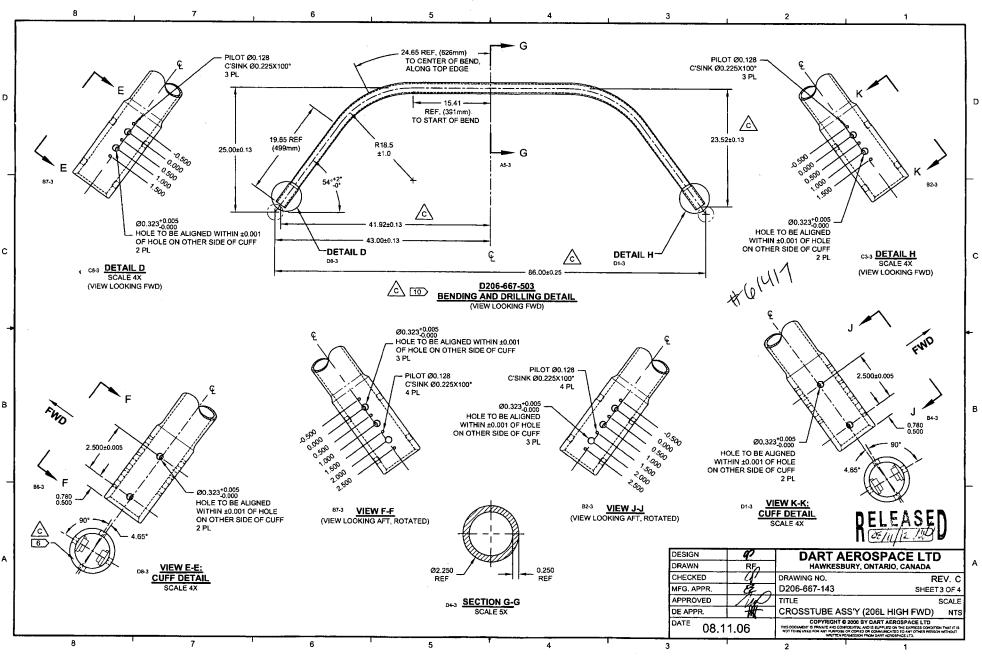
H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE



W/O:			W	ORK ORDER CHANGE	S				
DATE	STEP	PROCEDURE CHANGE			Ву	Da	te Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				·				r rod mgr	
Part No		PAR #:	Fault Cate	egory:	NCR: Ye	s No	DQA:	_ Date: _	
	R	esolution:	Dispositio	QA: N/C	Closed	Date:			
NCR:		\	WORK ORD	ER NON-CONFORMA	NCE (NC	R)			
	· · · · · · · · · · · · · · · · · · ·								
DATE	STEP	Description of NC				v	erification		Approval
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng	n B Sigr Da	1 &	<b>'erification</b> Section C	Approval Chief Eng	Approval QC Inspector
DATE	STEP	Description of NC Section A	l I	Action Description	Sigr	1 &			
DATE	STEP	Description of NC Section A	l I	Action Description	Sigr	1 &			
DATE	STEP	Description of NC Section A	l I	Action Description	Sigr	1 &			
DATE	STEP	Description of NC Section A	l I	Action Description	Sigr	1 &			
DATE	STEP	Description of NC Section A	l I	Action Description	Sigr	1 &			
DATE	STEP	Description of NC Section A	l I	Action Description	Sigr	1 &			
DATE	STEP	Description of NC Section A	l I	Action Description	Sigr	1 &			
DATE	STEP	Description of NC Section A	l I	Action Description	Sigr	1 &			

NOTE: Date & initial all entries

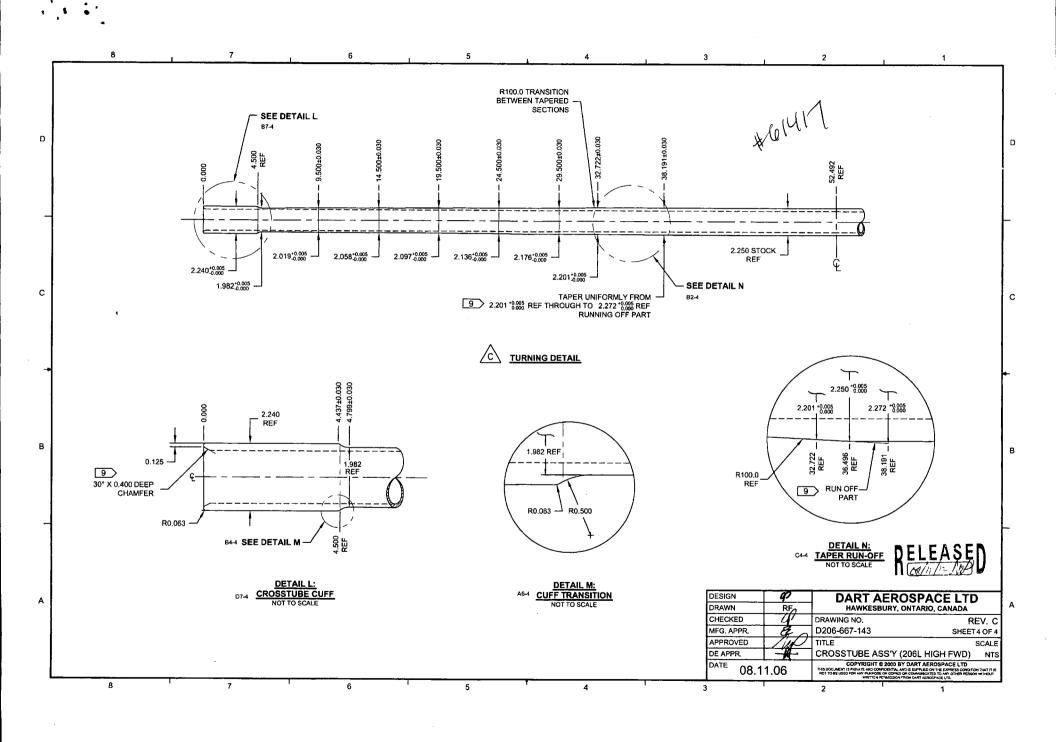
. H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE



WORK ORDER CHANGES	W/O:	
OCEDURE CHANGE By Date	DATE STEP	Approval QC Inspector
		<del>-</del>
Fault Category: NCR: Yes No DQA:	Part No:	
Disposition: QA: N/C Closed:	Reso	
WORK ORDER NON-CONFORMANCE (NCR)	NCR:	
Corrective Action Section B Verifica	5475	i Approval
Initial Action Description Sign & Section Chief Eng Date	DATE STEP	QC Inspector
·		
		!

NOTE: Date & initial all entries

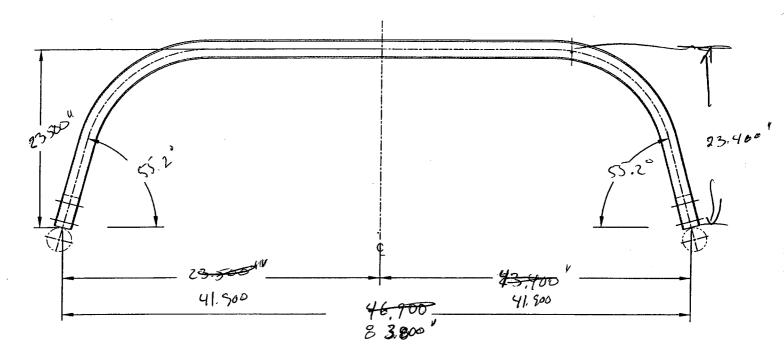
. H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE



W/O:			. W	ORK ORDER CHANG	ES				
DATE STEP		PROCEDURE CHANGE			Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
·· / · · · · · · · · · · · · · · · · ·		,							
-									
Part No	:	PAR #:	Fault Cate	egory:	_ NCR: Yes N	lo DQA:	Date: _		
Reso		esolution:	Disposition: Q			_ QA: N/C Closed: Date			
NCR:			WORK ORE	DER NON-CONFORMA	NCE (NCR)	)			
DATE	STEP	Description of NC		Corrective Action Section		Verification	Approval	Approval	
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector	
						A. C.			
						}			
						4.574.0			
			And the state of t	, in the design of the second					

DART AEROSPACE LTD	Work Order:	201417
		4.
Description: Crosstube High Fwd (206L)	Part Number:	D206-667-103
Inspection Dwg: D206-667-143 Rev: C		Page 1 of 1

Required Dimension	Min	Max
Height	23.39	23.65
1/2 Span	41.79	42.05
Angle	54	56
Total Span	83.58	84.10



	Comments	
QC15 Inspection	۵, ,	
Date	62/66/46	· <u>-</u>

Rev	Date	Change	Revised by	Approved
Α	07.02.06	New Issue	KJ/JM	
В	09.06.26	Dimensions updated per Dwg Rev C	KJ	
С	09.10.22	Minimum height dimension revised	KJ	

W/O:		WORK ORDER O	CHANGES	N G	
DATE	STEP	PROCEDURE CHANGE	By Date Qty Approval Chief Eng / Prod Mgr QC Inspect	al or	
		,			
Part No	) <b>:</b>	PAR #: Fault Category:	NCR: Yes No DQA: Date:		

$\mathcal{L}_{i}$ , $\mathcal{L}_{i}$			· Committee And And And And And And And And And And				Date:		
Resolution:				tion:	QA: N/C Clos	sed:	Date:		
NCR:			WORK OF	RDER NON-CONFORMA	ANCE (NCR)				
		Description of NC		Corrective Action Sect	tion B	Verification	Approval	Approval	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector	
		in the state of th	:						
		****	A	tt o					
	* 3 <sub>6</sub> %	7.70	**************************************	* ne					
	9		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1						
,	3.	- 41/L		•					
•••									
J+									
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	*						
:		and the same of th		- 0 gr - 1 gr				.9	
	1	€	,	A MANATA	İ		1		

			<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>			
		LIQU	D PENE	TRANT TES	T REPORT	P- 15193,
ACUREN		•				. •
		10			_ /	PAGEOF
CLIENT	DART	HERO STACE		DATE	567-21,2010	TIME AM M PM D
ATTENTION	_ Li	DA / CHAN	75L	ACUREN JOB NO.	188 - 70	-0887.
ADDRESS	1270 1	18BIDEEN	_5 <i>7</i>	PO/WO No.	16615 -	
	HAWKES &	Coly ON.		WORK LOCATION	HAWKES BUR	y LANT
		•	-	ACCEPTANCE STD	ASTU 1417	REV./DATE
PROJECT		= 0.	I (10)	Ton c	less TOBES	<u>ė</u>
ľ	- F	e) MACHIN		2075		
ITEM(S) EXAMINED		<i>y</i> 100 te 01 170	<u> </u>	46.0		
JOB DESCRIPTION	ON.	PROCEDURE NO. LT	A. TREV /DATE	-	TECHNIQUE No. LT-Tright	2 Rev./Date
	JIV	TROCEDORE NO. ETS	OUD CONTENT		WLES'S STEELTH	
PART NO.		0-0 - 0	0	MATERIAL 374	10000 3 1000 1000 1000 1000 1000 1000 1	LUDIOED ALMAND
SCOPE WE			1041D	I ENE / RO	6/6/	LUDICED ALDINGE
LN	SPECTION	U CARRIE	2 ou 7	0N 100	1/0 EXILA	AL JULIACE
TEST DETAILS						
METHOD	₩ FLUOR		VISIBLE	WATER WASH	☐ SOLVENT REM	
FAMILY BRAND	MASI	JAFLUX	11 - 15 200	BLACK LIGHT S/N	16459 □ OUTPUT > 100	00 μ W/cm <sup>2</sup>
PENETRANT REMOV	/ER H20	MINIMUM DWELL TIME MINIMUM DRY TIME	45 10 MIN >10 MIN		LAG NO	GRI GOTFOT TOO TO GO GOTT AGE
DEVELOPER	SKD 52	MINIMUM DWELL FIME	10 Min		1298866	CAL DUE DATE CCT /7
DEVELOPER TYPE	Non Aque		☐ DRY			2010
TEST SURFACE						
SURFACE CONDITIC			LDED	MACHINED	☐ SHOT BLASTED	CLEAN BARE METAL
	TURE - 4°C/2		20°F то 10°С/5	0°F	<b>ॼ</b> 10°С/50°F то 52°С/12	5°F □ > 52°C/125°F
RESULTS-	( METRIC	☐ IMPERIAL)				
7 SLE	EUE'S -	W.O. 62189				
1 Clos 1 Clos 1 Clos 1 Clos	STUBE DU SSTUBE DU STUBE DU STUBE DU	0.6709				

Scope of Services
The agreement of Acuren Group Inc. to perform services extends only to those services provided for in writing. Under no circumstances shall such services extend beyond the performance of the requested services. It is expressly understood that all descriptions, comments and expressions of opinion reflect the opinions or observations of Acuren Group Inc. based on information and assumptions supplied by the owner/operator and are not intended nor can they be construed as representations or warranties. Acuren Group Inc. is not assuming any responsibilities of the owner/operator and the owner/operator retains complete responsibility for the engineering, manufacture, repair and use decisions as a result of the data or other information provided by Acuren Group Inc. In no event shall Acuren Group Inc.'s liability in respect of the services referred to berein exceed the amount paid for such services.

Standard of Care
In performing the services provided, Acuren Group Inc. uses the degree, care and skill ordinarily exercised under similar circumstances by others performing such services in the same or similar locality. No other warranty, expressed or implied, is made or intended by Acuren Group Inc.

SIGNATURES				
CLIENT REPRESENTATIVE	Eric Documing		DTR# € @	339/
TECHNICIAN (SIGNATURE):	An PRINT/	SIGNATURE	REPORT REVIEWED BY:	
NAME (PRINT):	Mile Jihrslow	2 <sup>50</sup> TECHNICIAN	NAME	INITIALS
	CGSB LEVEL SNT LEVEL CGSB REG. NO 666	CGSB LEVEL SNT LEVEL CGSB REG. NO		

INDUATIONS ON CLOSSTUBES W.O. #5 -> 61852, 61853.

# REFERENCE ONLY

IIN-D206-667 Page 14 of 14



#### **PARTS LIST** 5.0

Item	Qty -011	Qty -013	Qty -015	Qty -101	Qty -201	Qty -103	Qty -203	Qty -105	Qty -205	Part Number	Description
	X									D206-667-011	SPACER BLOCK KIT
		Х								D206-667-013	NUT PLATE KIT (-101/-103/-105/-203/-205)
			X							D206-667-015	NUT PLATE KIT (-201)
				Х						D206-667-101	CROSSTUBE INSTALLATION, 206A/B HIGH FWD
					Х	•				D206-667-201	CROSSTUBE INSTALLATION, 206A/B HIGH AFT
						Х	_			D206-667-103	CROSSTUBE INSTALLATION, 206L/L-1/L-3/L-4 HIGH FWD
							Х			D206-667-203	CROSSTUBE INSTALLATION, 206L/L-1/L-3/L-4 HIGH AFT
								X		D407-667-105	CROSSTUBE INSTALLATION, 407 HIGH FWD
		-							X	D407-667-205	CROSSTUBE INSTALLATION, 407 HIGH AFT
1				1						D206-667-141	CROSSTUBE ASSEMBLY, 206A/B HIGH FWD
2					1					D206-667-241	CROSSTUBE ASSEMBLY, 206A/B HIGH AFT
3			<u> </u>		<u>'</u>	1				D206-667-143	CROSSTUBE ASSEMBLY,
3						· ·			ŀ		206L/L-1/L-3/L-4 HIGH FWD
4			<u> </u>		-		1			D206-667-243	CROSSTUBE ASSEMBLY,
7									l		206L/L-1/L-3/L-4 HIGH AFT
5			-	· <b></b> ·				1		D407-667-145	CROSSTUBE ASSEMBLY, 407 HIGH FWD
6					l				1	D407-667-245	CROSSTUBE ASSEMBLY, 407 HIGH AFT
10				*2	*2	*2		*2		D2891-1	SUPPORT
11							*2			D2892-1	SUPPORT
12		-							*1	D2894-1	SUPPORT
13				*2	*2	*2		*2	<u> </u>	D2856-400-694	ABRASION STRIP
14		<del></del>					*2	<del></del>	*2	D2856-400-773	ABRASION STRIP
15			<del> </del>					<u> </u>	*1	D2856-600-851	ABRASION STRIP
16				*4	*4	*4		*4		MS21920-20	CLAMP
17				<u> </u>	<u> </u>		*4		*4	MS21920-22	CLAMP
18		<del> </del>					<u>`</u>		*2	MS21920-24	CLAMP
19		<b></b>		4	4	4		4		AN5-32A	BOLT
20		<del></del>	-	<del>-</del> -	,	<u>-</u>	4		4	AN5-34A	BOLT
21		<del></del>		4	4	4	4	4	4	MS21042L5 🖈	NUT (OR MS21042-5)
22				8	8	8	8	8	8	AN960JD516	WASHER
23		<del></del>	-	<del></del>	- ŭ	-		<del>                                     </del>	*2	D3190-1	CHAFING SHIELD
23	_		<del>                                     </del>		-	_			<del></del>		
20	8		<del>                                     </del>	<del> </del>						AN4-6A	BOLT
30	8	<del></del>	<del> </del>	-	<del> </del>	-	ļ	<del>                                     </del>	<b>—</b>	AN4-7A	BOLT
31	16		-		-		<del> </del>			AN960JD416	WASHER
32		<del> </del>	<del> </del>		<del>                                     </del>		<del>                                     </del>		-	D3193-041	SPACER BLOCK ASSEMBLY
33	2				<del>                                     </del>		<del>                                     </del>	<del> </del>	<del> </del>	20100 041	
40	<del> </del>			*2	<del>                                     </del>	*2	*2	*2	*2	D2873-043	NUT PLATE
40	<b></b>	2	<del> </del>	*2	<del> </del>	*2	*2	*2	*2	D2873-045	NUT PLATE
41		-	<del>  -</del>		2				<del> </del>	D2872-043	NUT PLATE
42	<del></del>		2	<u> </u>	2		<del> </del>	<del></del>	-	D2872-045	NUT PLATE
43	ļ	12	-	10	-	10	<del></del>	<del></del>	<del> </del>	AN5-7A /	BOLT
44	<b> </b>	10	<del> </del>	10	10	10	10	10	10	AN5-10A	BOLT
45	ļ	10	10	<del>  _</del> _	10	<u> </u>	10		10	AN5-10A AN5-30A	rBOLT
46		4	4	4	10	4	<del>                                     </del>	4	1 -	AN5-30A .	BOLT
47	ļ	4		1	10	1.40	4	10	10	AN960JD516	WASHER
48	ļ	18	18	10_	12	10	10	10	10		NUT (OR MS21042-5)
49	I	4	4	ŀ	6	1	l	1	1	MS21042L5	NUT (UR MS21042-5)

\*REFERENCE ONLY. PARTS ARE INCLUDED IN D206-667-141/241/143/243, & D407-667-145/245 ASSEMBLIES ABOVE

### DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D206-667 REV. C AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D206-667 REV. 2

REF CANADIAN STC: SH01-5 REF FAA STC: SR01304NY REF EASA STC: EASA.IM.R.S.01179

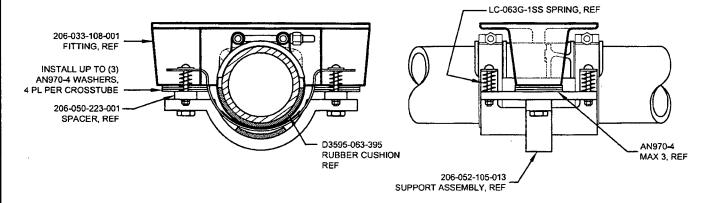
REFERENCE ONLY

#### PROBLEM:

FOR D206-667-103 CROSSTUBES (206L FWD) AT CHG 003 AND SUBSEQUENT (SEE DSI 9415) PROPER INSTALLATION OF THE OEM SUPPORT ASSEMBLIES MAY BE IMPOSSIBLE DUE TO THE ADDITIONAL THICKNESS OF THE DART D3595-063-395 RUBBER CUSHIONS. THE 206-052-105-013 SUPPORT ASSEMBLY (OR EQUIVALENT) MAY SIT TOO HIGH RELATIVE TO THE 206-033-108-001 FITTING, CAUSING THE LC-063G-1SS SPRING (OR EQUIVALENT) TO BE OVERLY COMPRESSED.

#### **SOLUTION:**

IT IS ACCEPTABLE TO LOWER THE SUPPORT ASSEMBLY BY INSTALLING UP TO QTY (3) AN970-4 WASHERS BETWEEN THE 206-033-108-001 FITTING (OR EQUIVALENT) AND THE 206-050-223-001 SPACER (OR EQUIVALENT). SEE FIGURE BELOW FOR REFERENCE.



#### CROSSTUBE SECTION: SUPPORT DETAIL

#### PARTS LIST:

THE FOLLOWING PARTS HAVE BEEN INCLUDED WITH D206-667-103 CROSSTUBES AT CHG 004 AND SUBSEQUENT

ITEM	Qty -103	PART NUMBER	DESCRIPTION	
60	12	AN970-4	WASHER	

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY:
D. SHEPHERD (DE # 02)

DATE:
08.12.17
CERT. NO.:
SH01-5
ISSUE NO.:
3

Α	NEW IS	SUE	CP	08.12.17			
REV.			DESCRIPTION	BY	DATE		
DESIGN		q)	DART AERO	SPACE	LTD		
DRAWN		97	HAWKESBURY, ONTARIO, CANADA				
CHECK	ĒD.	PH	DRAWING NO.		REV. A		
MFG. AF	MFG. APPR. N/A		DSI 9439		SHEET 1 OF 1		
APPROV	/ED	-#	TITLE		SCALE		
DE APPR.			206L FWD XTUBE SUPPORT MOD. NTS				
DATE	08.12	2.17	COPYRIGHT © 2008 BY THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AN NOT TO BE USED FOR ANY PURPOSE OR COPIED O WRITTEN PERMISSION FF	D IS SUPPLIED ON THE EXPRE	SS CONDITION THAT IT IS		